Main Memory Volatility Statement

Models: *USBI*

Product Description:

General Purpose Laser Power Meter

Memory Description:

This meter contains the following memory devices:

USBI board:

U2: Memory Flash M29F400FB,

   Used to store operating code for the meter's software application, and all meter parameters. Non-volatile.

U1: Microcontroller MC68332

   Main processor contains internal RAM. Used during run-time to store variables for the software. Volatile.

U5: I2C EEPROM 93C66,

   Used to store meter parameters and calibration factors. Non-volatile.

U3, U4: SRAM Memory CY62128E,

   Used during run-time to store variables for the software. Volatile

General:

Meter calibration constants are stored in U5 in USBI board. The calibration constants are generated when the meter is sent through its calibration process in the factory, and are fundamental to the meter operation. RAM held in the internal Microcontroller (U1, USBI board), and SRAM components (U3-U4, USBI board) are not accessible to the user through the remote interface and their contents are lost when the meter is turned off.

Note: The meter contains a D15 connector to which a range of custom sensors can be attached. Calibration data for any such sensor is separate from the meter and is stored inside the sensor itself, not inside the meter.

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